

Art Unit 2653
Serial No. 10/633,145

PATENT
Attorney Docket No.: K35A1301

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- Claim 1 (currently amended): A head stack assembly for a disk drive, comprising:
a stamped actuator arm;
a head gimbal assembly attached to the stamped actuator arm, the head gimbal assembly including a base plate, and a trace suspension flex having a metal base layer and a plurality of conductors supported by the metal base layer;
the stamped actuator arm including:
an actuator arm side surface extending longitudinally along the stamped actuator arm; and
a plurality of longitudinally spaced-apart stamped protrusions, the stamped protrusions being in contact with the trace suspension flex, each stamped protrusion extending from the actuator arm side surface, and the plurality of stamped protrusions being an integer in a range between 2 to 3.
- Claim 2 (previously presented): The head stack assembly of claim 1, wherein the stamped actuator arm further includes a top surface extending longitudinally along the stamped actuator arm, and each stamped protrusion extends from the actuator arm side surface in a direction that is generally parallel to the top surface.
- Claim 3 (previously presented): The head stack assembly of claim 1, wherein the trace suspension flex is attached to at least one of the stamped protrusions.

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Claim 4 (previously presented): The head stack assembly of claim 1, wherein at least one of the stamped protrusions has a thickness that is substantially less than that of the stamped actuator arm.

Claim 5 (currently amended): A disk drive comprising:

a disk drive base;
a spindle motor attached to the disk drive base;
a disk supported on the spindle motor;
a head stack assembly rotatably coupled to the disk drive base;
the head stack assembly including:
 a stamped actuator arm;
 a head gimbal assembly attached to the stamped actuator arm, the head gimbal assembly including a base plate, and a trace suspension flex having a metal base layer and a plurality of conductors supported by the metal base layer;
the stamped actuator arm including:
 an actuator arm side surface extending longitudinally along the stamped actuator arm; and
 a plurality of longitudinally spaced-apart stamped protrusions, the stamped protrusions being in contact with the trace suspension flex, each stamped protrusion extending from the actuator arm side surface, the plurality of stamped protrusions being an integer in a range between 2 to 3.

Claim 6 (previously presented): The disk drive of claim 5, wherein the stamped actuator arm further includes a top surface extending longitudinally along the stamped actuator arm, and each stamped protrusion extends from the actuator arm side surface in a direction that is generally parallel to the top surface.

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Claim 7 (previously presented): The disk drive of claim 5, wherein the trace suspension flex is attached to at least one of the stamped protrusions.

Claim 8 (previously presented): The disk drive of claim 5, wherein the integer is 3 and the stamped protrusions are generally equally spaced-apart longitudinally along the actuator arm side surface.

Claim 9 (previously presented): The disk drive of claim 5, wherein at least one of the stamped protrusions has a thickness that is substantially less than that of the stamped actuator arm.